OOK

h	Depth 6	Contents 7	Reference to last Measurement 8
		27,18,558-	
		27186-	
		108742-	
		27186-	
		2719-	
		32623-	
		19,8,456-	
		25,20102-	

BRNO: 178/30.6.2017

SBR-47/17-18 dt. 30/6/17

354310

M. A. R. 57 (Rule 116)
Measurement Book

No. B

erial No. I & Final Bill

ame of Work Improvements to roads and drains in Kodigehalli and extension areas in ward no. 8. Kodigehalli From To

ame of Contractor of nature of Agency

ate of commencement of work

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Esti. cost:- Rs. 30,00,000/- IOS code no:- 008-17-000020 AS/NO:- AS/CE(YNK)/62/2016-17, dt. 28/12/2016 TS/NO:- TS/CE(YNK)/77/2016-17, dt. 28/12/2016. Agency:- N. venkatareddy Work order no:- BBMP/EE/BTP/WO/T-21/30/2017-18 dt. 19/04/2017 Agreement no:- Date of completion:- 28/11/17						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
1)	Removing B.S slab of drain and stacking = Qty vide premeasurement ref MB No: 1904/12-13 Page No: ~~35 4370~~ 190312					50.63 m² Qty. 63.7/sqm Rs. 3226.0	
2)	Earth work in surface excavation in ordinary soil for levelling and leveling the ground manually (other than excavation of buildings, culvert road drains, and trenches of pipe line and cables) and removing the excavated stuff to a distance not exceeding 50 m. and lift upto 1.50 m. excavated surface levelled and neatly dressed disposed earth to be levelled after stacking of clods and neatly dressed as per specification.						

M. A
M

erial No. .....
ame of Work ..... Fro
ame of Contractor of nature of Agency .....
ate of commencement of work .....

Date	Full description, etc, of work	Number
1	2	3
	= Qty	vide 399.81
3)	providing and laying in p with spc cement 220 kgs, with coarse aggregate @ 0.892 cum an laid in layers not exceeding cost all materials, labour, te = Qty vide	

BOOK

s		Contents	Reference to last Measurement
adth 5	Depth 6	7	8
~~Stacking~~			
~~354370~~		190312	
63.72/sqm			R. 3226.00
in ordinary soil for levelling			
other than foundation of			
only of pile heads and cables)			
distance not exceeding 10 m.			
levelled and neatly dressed			
lay of clods and neatly dressed			

M. A. R. 57 (Rule 116)
Measurement Book

No. B 354311

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	= Qty	vide Premeasurement ref MB NO: 1904/12-13					
		~~Page no = 354371~~ 190353					
		399.81 m^3				R. 83.16/cum	R. 33248.00
3)	providing and laying in position Plain cement concrete of mix 1:3:6 with approved cement 220 kgs, with coarse sand and fine aggregate @ 0.465 cum machine mixed, cement laid in layers not exceeding 15 cm. thick, well consolidated, including cost all materials, labour, hire of machine/ curing complete as per specifications.						
	= Qty vide Premeasurement ref MB NO: 1904/12-13						
	Page no = ~~354372~~ 190354						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
			58.20 m			1.5236.92/ cum	Rs. 304789.00
4)	providing laying plain/ reinforced cement concrete for box drain walls of thickness 10 cm to 20cm including centering shuttering for work etc., complete as per approved drawing and design mortar specifications. No. 1500, 1700, 2200, M20 grade using cement mixer.						
						Qty vide premeasurement ref MB No: 1904/12-13 page no = 354375 190356/2 = 151.23 m3	
	Rect cement	= 1x1	30.00	0.20	0.15	= 0.90	
		1x1	13.00	0.20	0.15	= 0.39	
		1x1	7.00	0.20	0.15	= 0.14	
		1x1	30.00	0.20	0.15	= 0.90	
						2.40	

M. A
Me

erial No. .....
ame of Work ..... From
ame of Contractor of nature of Agency .....
ate of commencement of work .....

Date	Full description, etc, of work	Number
	2	3
		1x1
		2x1
		2x1
		2x1
		1x1
		2x1
		1x
5)	providing and laying in	

OK

Depth 6	Contents 7	Reference to last Measurement 8
92/ cum	Rs. 304789.50	
	concrete for box drain	
	centering shuttering for	
	and laying M20 RCC-	
	concrete mixer.	
	...ls vide MB: No: 1904/12-13	
5375	190356/2	
	= 151.23 m	3
0.15 =	0.90	
0.15 =	0.39	
0.15 =	0.11	
0.15 =	0.90	
	2.40	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

354312

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
		1×1	26.60	0.20	0.15 =	0.78	
		2×1	18.50	0.20	0.15 =	1.11	
		2×1	19.00	0.20	0.15 =	1.14	
		2×1	17.50	0.20	0.15 =	1.05	
		2×1	19.00	0.20	0.15 =	1.14	
		2×1	18.00	0.20	0.15 =	1.08	
		1×1	30.00	0.20	0.15 =	0.90	
						160.80 m	163.18
						@ Rs 6931.44/cum	Rs. 1114576.50
5	providing and laying in position plain cement concrete of mix M20 with						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	opc cement @ 300 kgs, with coarse aggregate @ 0.8 cum and fine aggregate @ 0.4 cum with reinforcement @ 3 kg. confirming to IS 9103-1999 reaffirmed 2008, machine mixed concrete laid in layers not exceeding 15 cms which were compacted in foundation, plinth and sills, including cost of all materials, labour, royalty & machine only complete as per specification.					grade grade mix	
	For road cub portion.	1x1	6.50	0.75	0.20 =	0.98	
		6x1	6.00	0.65	0.20 =	4.68	
		4x1	5.50	1.60	0.20 =	4.40	
		3x1	4.50	0.75	0.20 =	2.03	
		1x1	3.50	0.45	0.20 =	0.32	
						12.403	
					Limit to	9.60 m³	
			Sft.	5991.84/sqm		Rs.	57522.00

erial No. .....
ame of Work ..... F
ame of Contractor of nature of Agency .....
ate of commencement of work .....

Date	Full description, etc, of work	Num
1	2	3
6	Providing TMT steel reinforcement bending, hooking required tying, with binding wire complete as per specification. (The quantity to be measured and paid) as per specification. = Rft	10
7	Providing and fixing	Rs

BOOK

sions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8
		laying for grated granite metal @ 0.43 cum with	
		stirring - 2008, machine mixed	
		cum which were compacted in	
		cost of all materials, labour etc	
		specifications.	
0.75	0.20 =	0.98	
0.65	0.20 =	4.68	
1.60	0.20 =	4.40	
0.75	0.20 =	2.03	
0.45	0.20 =	0.32	
		12.403	
		limit to 9.60 m	
5991.84/sqm		Rs. 57522.0	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 354313

Serial No. ..... From..... To.....

Name of Work .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
6)	providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and/or welding where necessary complete as per design (lab. hook. and wastage shall not be measured and paid) cost of materials, labour, hire of machine complete as per specifications.						
	= Qty vide premeasurement ref 1904/12-13 page no = 354 ~~333/2~~ 19035						
		10.30 Tons	@ Rs. 34570.0/MT			Rs. 356071.0	
7)	providing and fixing RCC 1:2:4 precast slab for coving upto 20 mm and						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Dowsing granite jelly as per design including turning, curing and finishing with cm (1:3) as					supply entering completely 10mm thick.	
		1x1	30.00	0.90	=	27.00	
		1x1	13.00	0.90	=	11.70	
		4x1	7.00	0.90	=	6.30	
		1x1	30.00	0.90	=	27.00	
		1x1	26.00	0.90	=	23.40	
		2x1	18.50	0.90	=	33.30	
		2x1	19.00	0.90	=	34.20	
		2x1	17.00	0.90	=	30.60	
		2x1	19.00	0.90	=	34.20	
		2x1	18.00	0.90	=	32.40	
		1x1	30.00	0.90	=	27.00	
	missing slab =	1x1	7.50	0.90	=	6.75	
						294.60 sqm	

erial No. .....
ame of Work .....
ame of Contractor of nature of Agency .....
ate of commencement of work .....

Date	Full description, etc, of work	
	2	
8	providing and fix cement and dowsing turning, curing and fi For culvert 1st cross Balaji layout 4th cross Angala Parameshwari temple road	=

BOOK

ns		Contents	Reference to last Measurement
eadth 5	Depth 6	7	8
including		masonry	centering
(1:3)	Rs	completely	10mm thick.
90	=	27.00	
90	=	11.70	
90	=	6.30	
90	=	27.00	
90	=	23.40	
90	=	33.30	
90	=	34.20	
90	=	30.60	
90	=	34.20	
90	=	32.40	
90	=	27.00	
90	=	6.75	
		294.50 m²	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

354314

erial No. .....
ame of Work ..... From..... To.....
ame of Contractor of nature of Agency .....
ate of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		294.50 m²	@ Rs 1836.00/ sqm			Rs.	539784.00
8/	providing and fixing RCC 1:2:4 precast slab for covering laying						
	rooms and drawing grooves jelly as per design including masonry cutting,						
	turning, curing and finishing. with CM 1:3, Rs: complete 150mm thick.,						
	For cubicle						
		1 x 1	4.00	1.80	=	7.20	
	1st cross	1 x 1	6.50	1.80	=	11.70	
	Balaji layout 4th cross	1 x 1	8.00	1.80	=	14.40	
	Angala Parameshwari temple road	1 x 1	8.00	1.80	=	14.40	
						47.70 m²	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
						Qty limit to = 44.00 m³	
						Qty 5111.0/ sqm Rs. 224884.0	
9/	Lead for disposal of debris shall be payable at carriage rate by mechanical means including loading and unloading from 13.30 km						
	= Qty vide Item no. (2)					= 342.61 m³	
	Road side debris =	4x1	6.50	2.0	0.90	= 46.80	
		6x1	5.40	1.80	0.70	= 40.82	
		8x1	4.50	2.0	0.80	= 57.60	
		6x1	6.80	2.50	0.85	= 86.70	
		4x1	5.80	1.90	1.5	= 44.08	
						618.61 m³	

Certified Done / 29/5/17

erial No. .....
ame of Work .....
ame of Contractor of nature of Agency .....
ate of commencement of work .....

Date	Full description, etc, of work	Nu
	2	
		61
	Certificate :-	
	* work done is satisfactor	
	* All debris cleared from t	
	28/4/17	
	Accepted all measu with full and final	
	N. V...	

BOOK

ons		Contents	Reference to last Measurement
eadth 5	Depth 6	7	8
		limit to = 44.00 m³	
5111.00/ sqm		Rs. 224884.00	
be payable ab carriage rate			
and unloading from 13.30 kms			
		= 342.61 m³	
.00	0.90	= 46.80	
.80	0.70	= 40.82	
.00	0.80	= 57.60	
.50	0.85	= 86.70	
90	1.50	= 44.08	
		618.61 m³	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

354315

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
		618.61 m³		@ Rs 123.20/cum		Rs.	76213.00
						Total Rs.	2710313.00

Certificate :-

* work done is satisfactorily
* All debris cleared from the work spot by contractor own vehicle

28/4/17

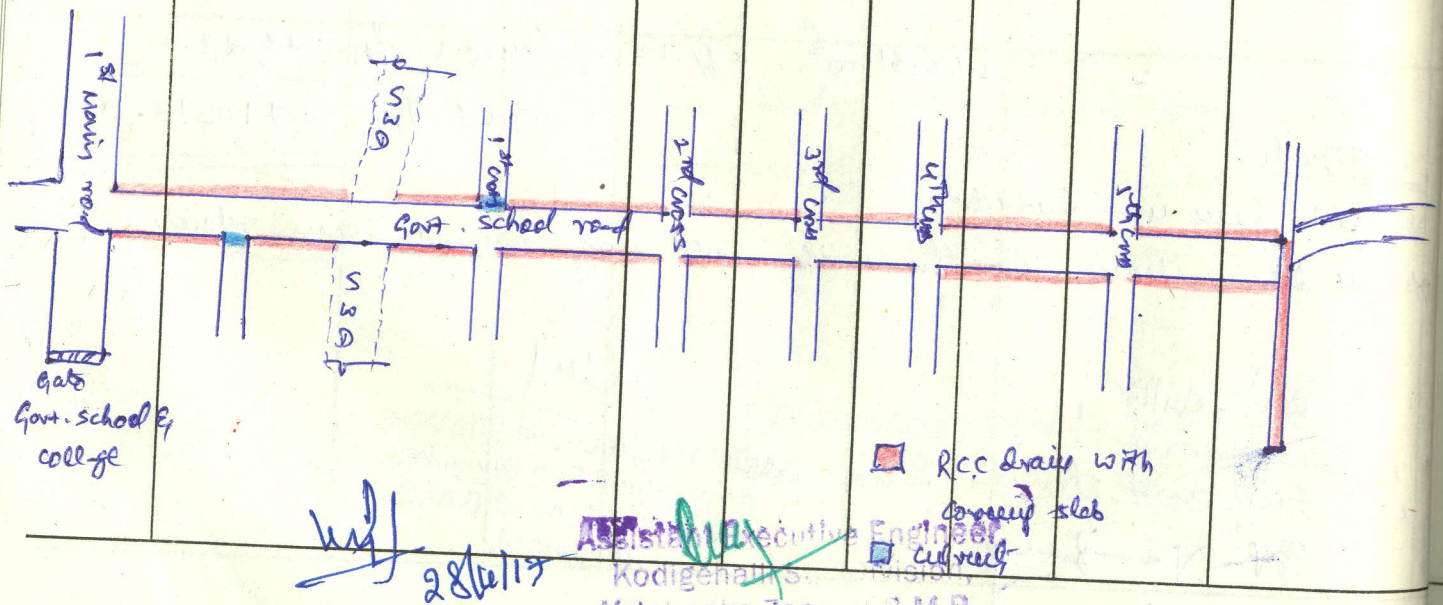
Accepted all measurements with full and final settlement

N. Varadaraj

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8



28/6/17

Assistant Executive Engineer
Kodigehalli S. ... Division
Yelahanka Zone, B.B.M.P.,

BRNO:-178/30.6.17.

M. A
M

erial No. .....
ame of Work ..... Fro
ame of Contractor of nature of Agency .....
ate of commencement of work .....

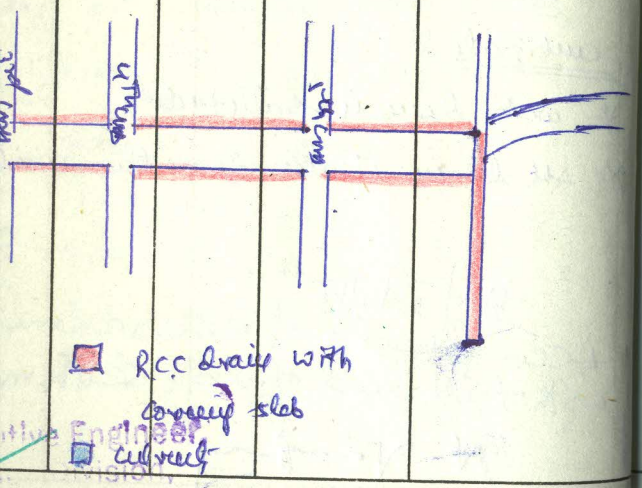
Date	Full description, etc, of work	Number
	2	3

ಬಿಲ್ಲು ಮೊಬಲಗು ರೂ 27.10.
ಗಳನ್ನು ಪಾಸು ಮಾಡಿದೆ : ಇವರಲ್ಲಿ ರೂ 1978
ಹೊಣಾಗಿರೆ ಮಾಡಿಕೊಂಡು ಉಳಿದ ಮೊಬಲಗು 25.12
Rs. Twenty five lakh twelve hundred seventy eight only
ಚೆಕ್ ಮುಖಾಂತರ ನೀಡಲಾಗಿದೆ

30/6

ENT BOOK

Dimensions			Contents	Reference to last Measurement
gth	Breadth 5	Depth 6	7	8



BRHO-178/30.6.17.

M. A. R. 57 (Rule 116)
Measurement Book

No. B 354316

erial No. .....

ame of Work ..... From..... To.....

ame of Contractor of nature of Agency .....

ate of commencement of work .....

Date	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	ಬಿಲ್ಲು ಮೊಬಲಗು ರೂ					Total Rs: 27,10,312-00	
	ಗಳನ್ನು ಪಾಸು ಮಾಡಿದೆ : ಇದರಲ್ಲಿ ರೂ					IT - 27103-00	
	ಮುಂಪಾಡಿಗೆ ಮಾಡಿಕೊಂಡು ಉಳಿದ ಮೊಬಲಗು					VAT 108412-00	
	Rs. Twenty five lakh twelve thousand four hundred sixty					Cess 27103-00	
	ಮಾತ್ರ ನಿವ್ವಳಾಗಿ					CSS. 2710-00	
						LR- 32524-00	
						Adj 197852-00	
						Cheque 2512460-00	

27.10,312-00
19785 2-00
25 12460-00